



Divos[®] 2

VM13

Acidic Descaler for UF, NF & RO Membranes

Description

Divos[®] 2 cleaner is a low foaming, high active, mixed acid detergent descaler for use in membrane cleaning applications. This product can be used for the removal of protein and scale deposits across all food and beverage industries. It is highly effective for the removal of milkstone in dairy membrane applications.

Versatile

- Tested on all relevant ultrafiltration (UF), nanofiltration (NF) and reverse osmosis (RO) membrane types and approved for use by major original equipment manufacturers (OEM)

Effective

- Highly effective in removing inorganic scale deposits from membranes, increasing permeation rates and returning water fluxes to original values
- Used in dairy membrane applications where protein and milkstone is a problem, increasing permeation rates, recovering water fluxes and maintaining optimum production capacity

Easy-to-Use

- Consistent chemical delivery can be ensured by using automatic timed dosing, or by conductivity

Discussion

Divos[®] 2 descaler has been tested and approved for use on all types of UF, NF and RO membranes. This product contains phosphoric acid and cannot be used on ceramic microfiltration (MF) membranes. This product is effective for the removal of protein and inorganic scaling from UF, NF and RO membrane installations across all food, beverage and pharmaceutical industries. It is used in combination with Divos[®] 2 LS liquid preservative for final preservation of the water remaining in the membrane installation after cleaning.



Divos



Divos[®] 2

VM13

Acidic Descaler for UF, NF & RO Membranes

Use Instructions

Use at concentrations of 1.5–3.0 mL/L (0.2–0.5 U.S. oz./U.S. gal.) for 15–30 minutes. The temperature and pH that is used at depends upon the cleaning temperature and pH tolerance of the membrane. Temperature must not normally exceed 60°C (140°F). Divos[®] 2 solutions should be thoroughly rinsed after use to remove them from all food and beverage contact surfaces.

Technical data

Certification	Acceptable for use in food processing facilities
Form/Color	Clear, colorless liquid
Scent	Acidic
Specific Gravity	1.31
pH (1:250)	1.8
% Nitrogen	6.4
% P	6.2
% Total Acidity (H ₃ PO ₄)	42.6

The above data is typical of normal production and should not be taken as a specification.

Divos[®] 2

% w/w	Specific conductivity at 25° C [mS/cm]
0.5	10.8
1.0	21.5
2.0	39
3.0	59
4.0	77
5.0	92

Safe handling and storage information

Store in original closed containers, away from extreme temperatures. Full guidance on the handling and disposal of this product is provided in a separate Material Safety Data Sheet.

Product compatibility

Always ensure that you check the membrane type, temperature and pH tolerance with the customer, membrane manufacturer or original equipment manufacturer (OEM) before making any recommendations.

Test Kit

Acid Test Kit #409724

Precautionary Statement

Refer to current Material Safety Data Sheet.